

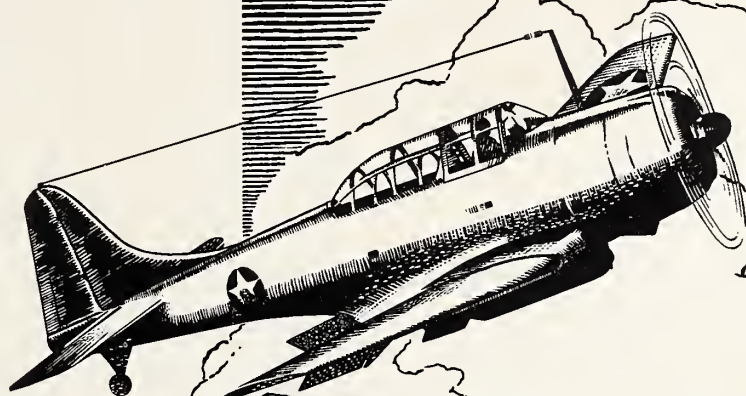
U. S. NAVY PRE-FLIGHT SCHOOL



H A P E L H I L L ★ N O R T H C A R O L I N A

THE PUBLISHERS WISH TO EXTEND THEIR SINCERE THANKS TO COMMANDER O. O. KESSING, COMMANDING OFFICER, LIEUT. COMMANDER JOHN P. GRAFF, EXECUTIVE OFFICER, LIEUT. (JG) P. O. BREWER, PUBLIC RELATIONS OFFICER, AND THE ENTIRE OFFICER PERSONNEL OF THE CHAPEL HILL PRE-FLIGHT SCHOOL FOR THEIR CO-OPERATION, SUGGESTIONS, AND ADVICE WHICH HAVE MADE THIS BOOK POSSIBLE.

Merin-Baliban.



Presenting

**THE ACTIVITIES OF THE
UNITED STATES NAVY
PRE-FLIGHT SCHOOL**

CHAPEL HILL, NORTH CAROLINA

1 9 4 2 - 1 9 4 3

**PUBLISHED BY THE MERIN-BALIBAN STUDIOS OF
PHILADELPHIA, PENNSYLVANIA FOR THE OFFICERS
AND MEN OF THE CHAPEL HILL PRE-FLIGHT SCHOOL**



To Develop **MEN** . . .

. . . whose physical and mental strength and inner fortitude will enable them to master the fastest, most vicious machines in the world . . . fighting aircraft . . . the Navy established the Pre-Flight School.

Out of its rigorous, comprehensive, competitive program come cadets who are strong, rugged, disciplined, intelligent, and well on their way to become the smartest, most aggressive fighting fliers in the world—all officers in the U. S. Navy Reserve, or Marine Corps Reserve.

In addition to the Pre-Flight School at the University of North Carolina, there are three other such stations molding the Navy's fliers. They are located at the University of Georgia, University of Iowa, and at St. Mary's College, California.

Life in these centers, each of which is designed to house 1,875 cadets, follows as nearly as possible the sea-going routine under which the midshipmen live at Annapolis. Steeped in the glorious traditions of the service, the cadets develop the will-to-win spirit which admits only victory!

43
P 2647



NAME _____

RECORD

Insert your
photograph here



P 26477



Autographs



JOHN N. TOWERS
Rear Admiral, U. S. N.
Chief, Bureau of Aeronautics

As this book goes to press Rear Admiral Towers has been appointed as Commander-Air Forces, Pacific Fleet, with the rank of Vice Admiral.



ARTHUR W. RADFORD
Captain, U. S. N.
Director of Aviation Training Division
Bureau of Aeronautics



THOMAS J. HAMILTON
Commander, U. S. N.
Head of Pre-Flight and Physical
Training Section
Aviation Training Division
Bureau of Aeronautics

LT. COMDR. HAMILTON

THE SKIPPER . . .

Commander O. O. Kessing, Captain of the U. S. Navy Pre-Flight School, has a service record of 32 years in the U. S. Navy, including 22 years of sea duty, and holds medals for the Mexican campaign in 1914, the World War, and the Haitian campaign, and for China Service.

He was graduated from Annapolis right into the Mexican war and the armored cruiser, Maryland. With the outbreak of the World War, he was assigned to the USS Huntington on convoy duty, and volunteered as a Kite Balloon Pilot. His Naval career continued with Heavier-Than-Air training at Pensacola following the war. It was succeeded by destroyer duty on the Reuben James for several years in the Mediterranean and Adriatic.

Shipmate and boon companion with him on this trip was Lt. Comdr. John P. Graff, who is executive officer of this school.

In 1926 when Annapolis inaugurated the system of Graduate Manager of Athletics, it was O. O. Kessing who first held the position, and it was through his efforts that the Army-Navy game was brought to Soldiers Field in Chicago. His enthusiasm for athletics, first developed while a midshipman, has never left him and accounts for his cognomen, "Scrappy."

Into the Navy cadets who receive their pre-flight training at Chapel Hill is infused the fighting spirit of their commanding officer.



O. O. KESSING
Commander, U. S. N.
Commanding Officer

Officers of the Commander's Staff

WILLIAM C. CLARK
Lieutenant, U. S. N. R.
Aide to the Executive Officer

JESSE G. WRIGHT
Lieut. Commander (MC), U. S.
Senior Medical Officer



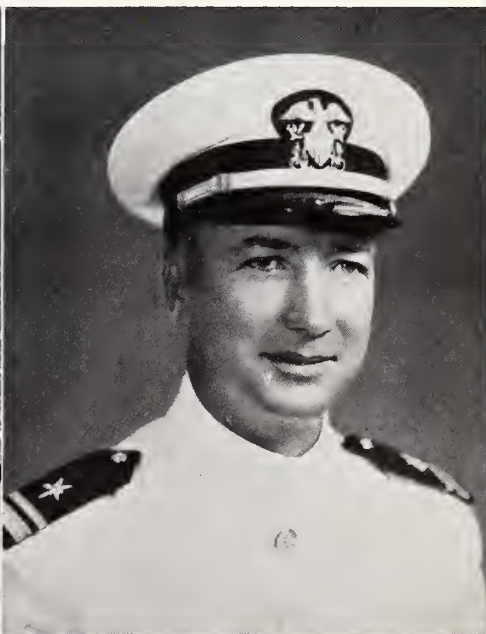
JOHN P. GRAFF
Lieut. Commander, U. S. N. (Ret.)
Executive Officer



ERIC H. ARENDT
Lieutenant, U. S. N.
Chaplain



BENJAMIN H. MICOU
Lieut. Commander, U. S. N. R.
Supply Officer



PIERCE O. BREWER
Lieutenant (jg), U. S. N. R.
Public Relations Officer



HARVEY J. HARMAN
Lieut. Commander, U. S. N. R.
Athletic Director

PHYSICAL FITNESS *Program*

Objectives as outlined by Commander Thomas J. Hamilton and administered by Commander O. O. Kessing, and Lieut. Comdr. John P. Graff, are to help the cadets in every way possible, physically, mentally, and spiritually, to become the best possible fighting pilots.

According to Harvey J. Harman, director of athletics, the course here aims by instruction and competition in vigorous sports to develop in the cadets a will-to-win against any odds, the love of combat, and the willingness to sacrifice for an ideal.

It challenges and develops daring and courage. The potential pilots are given the confidence and ability to swim, tread water, and stay afloat under varying conditions for an indefinite period of time. They are instructed in skills that have a definite carry-over into military tactics, such as methods of self-defense against an unarmed opponent as well as an assailant armed with a gun, knife, black-jack, or riot stick.

The native sense of balance is trained, and the cadets are accustomed to being upside down for extended periods. Their bodies are developed and toughened so that they can withstand the extreme physical strains of modern combat flying. By team play, their speed, quick thinking, and timing are improved. Through bodily contact and competition the cadets develop ruggedness, endurance, agility, and strength.

The officers, formerly the nation's greatest coaches, who administer the Athletic program are imbued with the ideal of developing the best physically equipped Aviation Cadet in the world.

Physical Fitness Staff

EDWARD N. GEORGE
Lieutenant, U. S. N. R.
Head Coach, Hand to Hand



JAMES H. CROWLEY
Lieutenant Commander,
U. S. N. R.
Head Football Coach



JOHN P. SABO
Lieutenant Commander,
U. S. N. R.
Head, Mass Exercises



THOMAS M. CARRUTHERS
Lieutenant, U. S. N. R.
Assistant Athletic Director



JOHN MILLER
Lieutenant, U. S. N. R.
Head Coach, Swimming

GEORGE E. SHEPARD
Lieutenant, U. S. N. R.
Head, Athletic Equipment



WILLIAM NEUFELD
Lieutenant, U. S. N. R.
Head Coach, Military Track

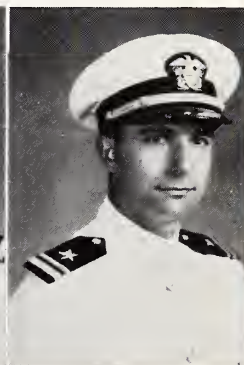
EARLE C. WATERS
Lieutenant, U. S. N. R.
Head Coach, Soccer

JOSEPH M. HEWLETT
Lieutenant (jg), U. S. N. R.
Head Coach, Tumbling

W. GLENN KILLINGER
Lieutenant, U. S. N. R.
Head Coach, Baseball

CHARLES M. SPEIDEL
Lieutenant, U. S. N. R.
Head Coach, Wrestling

ROLAND F. LOGAN
Lieutenant, U. S. N. R.
Head Trainer



ALFRED B. WOLFF
Lieutenant (jg), U. S. N. R.
Head Coach, Boxing

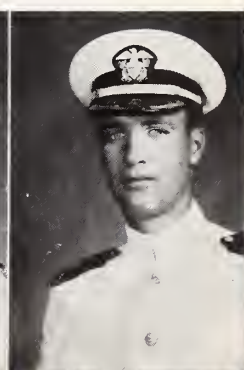
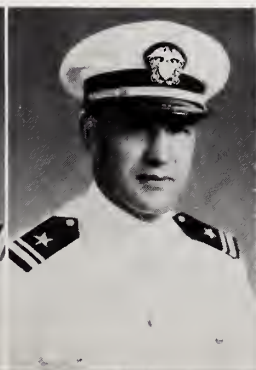
C. C. BREAM, JR.
Lieutenant (jg), U. S. N. R.
Director Sports Programs
Intersquadron Competition

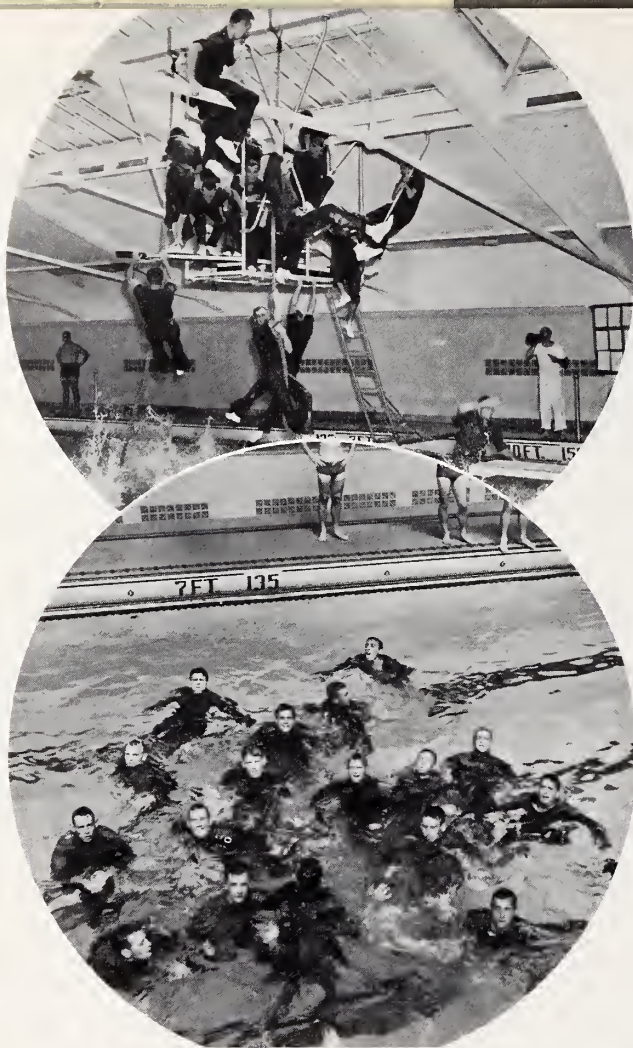
WARREN H. CHIVERS
Ensign, U. S. N. R.
Head, Labor Engineering

RICHARD A. RAESE
Lieutenant (jg), U. S. N. R.
Head Coach, Basketball

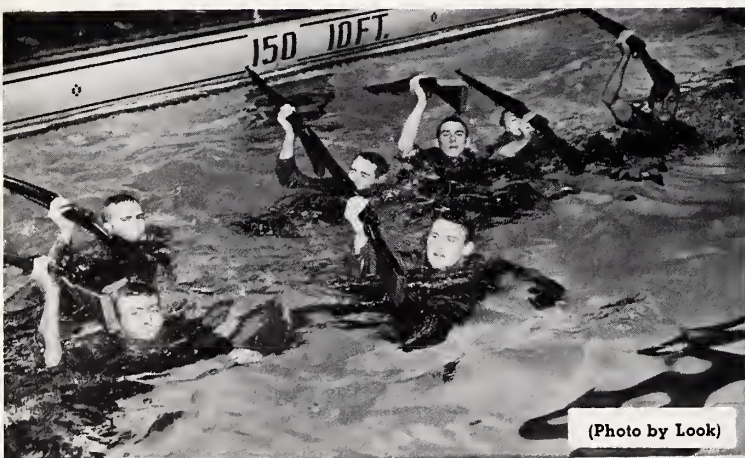
EDWARD S. MASAVAGE
Lieutenant (jg), U. S. N. R.
Assistant to Athletic Director

GEORGE F. BROWN
Ensign, U. S. N. R.
Assistant to Athletic Director

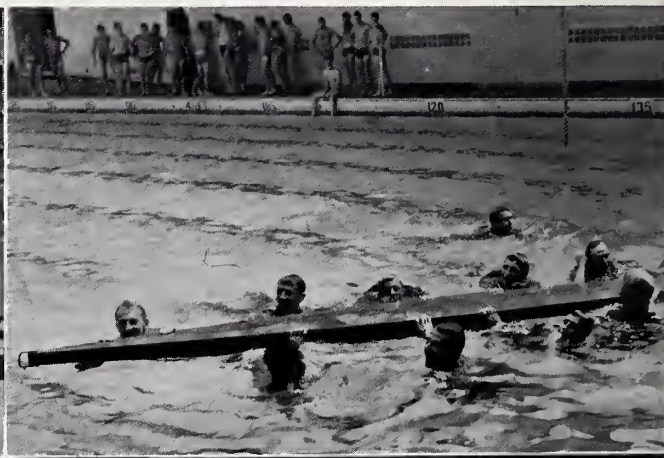




Swimming, under the direction of Lt. John Miller, provides the instruction and practice which assures that no Navy flier will be lost through his inability to swim under difficult and hazardous conditions. Pictured are the following drills: abandon ship fully clothed; gun carry fully clothed; use of life jackets; use of floating debris; and inflation of clothes to provide buoyancy.



(Photo by Look)



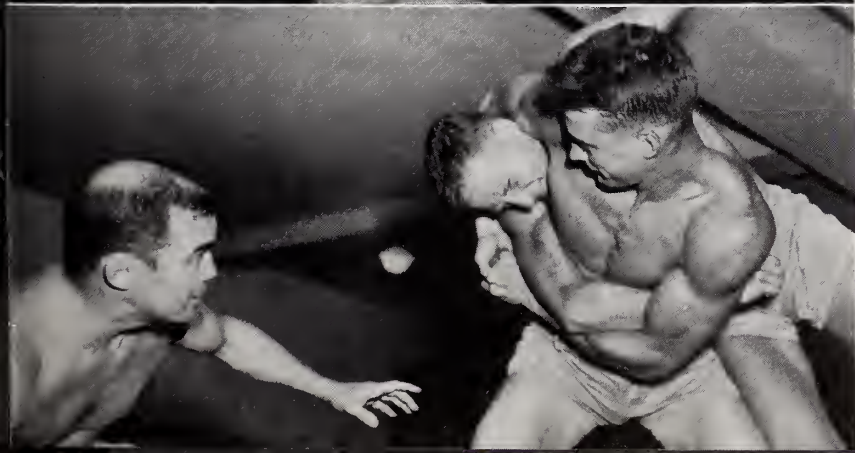
(Photo by Look)



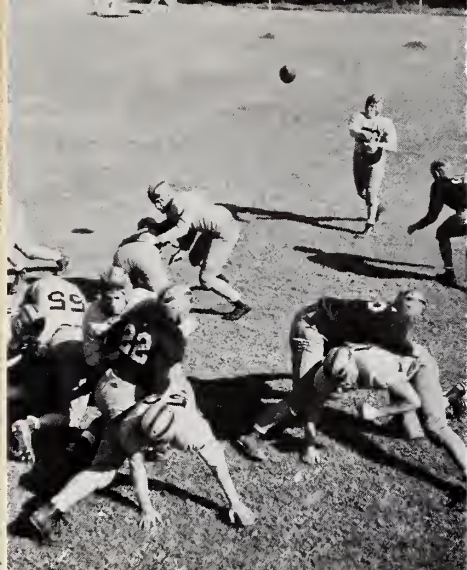


Hand to Hand Combat,
taught and directed by Lt. Ed
Don George, instructs in all the
arts and tricks which could
prove vital to the flier whose life
might depend on knowing the
attack and defense techniques
of rough-and-tumble.

(Photo by New York Daily News)



Wrestling, directed by Lt.
Speidel, carries rough-and-
tumble into the competitive sci-
ence which the crippling nature
of hand-to-hand will not allow.



Football, one of the ten required sports, progresses in two weeks' instruction from fundamental drills, as pictured above under the supervision of Lt. Comdr. J. H. Crowley, to full period scrimmages. Also part of the program is squadron competition in football, which produces six regulation games each week, and Varsity Football which provides the station's team for outside competition.



Basketball, headed by Lt. (jg) R. A. Raese, develops maneuvering ability by quickening combined thought and action. Basketball drills also stress the necessity of relaxation.





Gym-Tumbling, directed by Lt. J. M. Hewlett, teaches control of the body, and the many variations of vaulting and climbing.



Boxing, directed by Lt. (jg) A. B. Wolff, is another of the sports required of every cadet. Ability to use the fists in attack and defense builds aggressive confidence and teaches give and take.

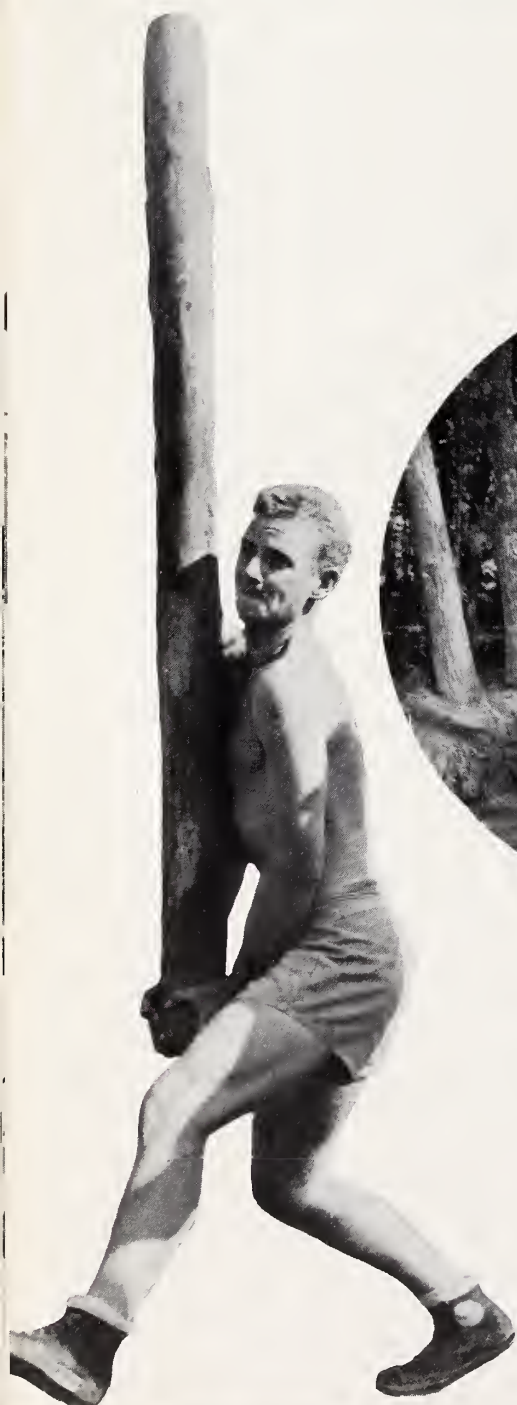


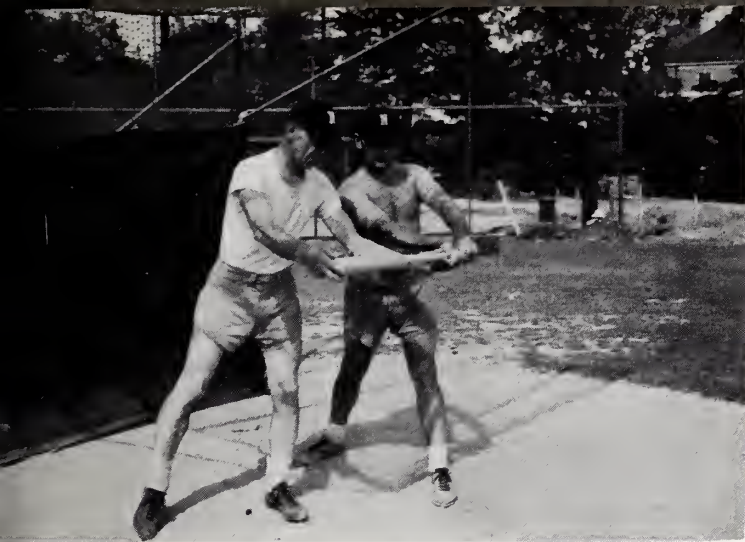
Mass Exercise, under Lt. Comdr. J. P. Sabo, directs the warm-up calisthenics which precede all athletic activities.





Military Track, headed by Lt. W. Neufeld, features a grueling obstacle course and unique events. The track program develops endurance, courage, and skills with a carry-over to combat conditions.





Baseball, under the direction of Lt. Killinger is played at the Pre-Flight School as a Varsity sport only.

The Training Department, headed by Lt. R. F. Logan, assures proper care of athletic injuries.



(Photo by Look)

Tests and Measurements,

under the direction of Lt. Comdr. J. P. Sabo, conducts and tabulates the tests which provide gauges of physical fitness and reveal the improvement made by each cadet.



MAKING OFFICERS . . .



JAMES P. RAUGH
Lieutenant, U. S. N. R.
Regimental Commander

Out of the raw undisciplined, untrained civilians is the task of the Military Department. Aloft, afloat, ashore, the fliers will live the life of Navy officers, with the privileges and responsibilities it entails. They learn to give orders by first learning to take them.

The infantry drill develops the habits of precise, accurate thinking, and instant obedience. It also gives the cadets an appreciation of the effectiveness of group movement.

They learn the practical side of seamanship, ordnance, gunnery, and the firing of small arms. They learn to stand watch as on board ship, where the safety of the whole crew may depend on the alertness of the "watch."

On hikes, the military instructors teach the fledgling fliers, who may someday be forced down on strange terrain, how to take care of themselves in the woods, and the principles of first aid.

The military department directs the whole routine of the cadets, their organization and discipline, and the indoctrination.

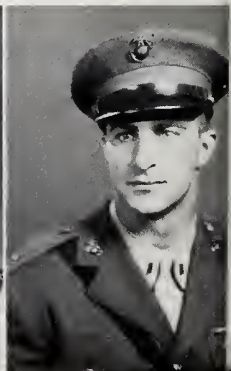
ROBERT D. ROBINSON
Lieutenant, U. S. N. R.
Drill Officer

LLOYD R. SAUER
Lieutenant, U. S. N. R.
Senior Watch Officer

EDWARD R. HODGKINS
Lieutenant (jg), U. S. N. R.
Special Drills Officer

JOHN E. HOLLIS
Lieutenant (jg), U. S. N. R.
Battalion Officer

CHRISTOPHER DALE
1st Lieutenant, U. S. M. C. R.
Range Officer





PRESENT ARMS!

"TENSHUN!"



KNOCK 'EM DOWN!



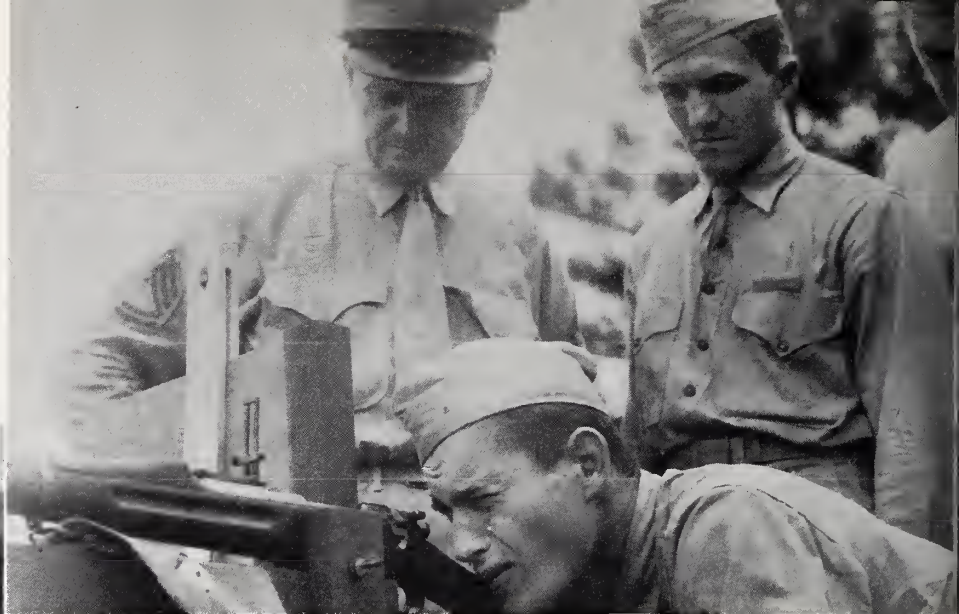
FORWARD MARCH!



(Photos by Look except upper left)

STEADY, AIM, FIRE!

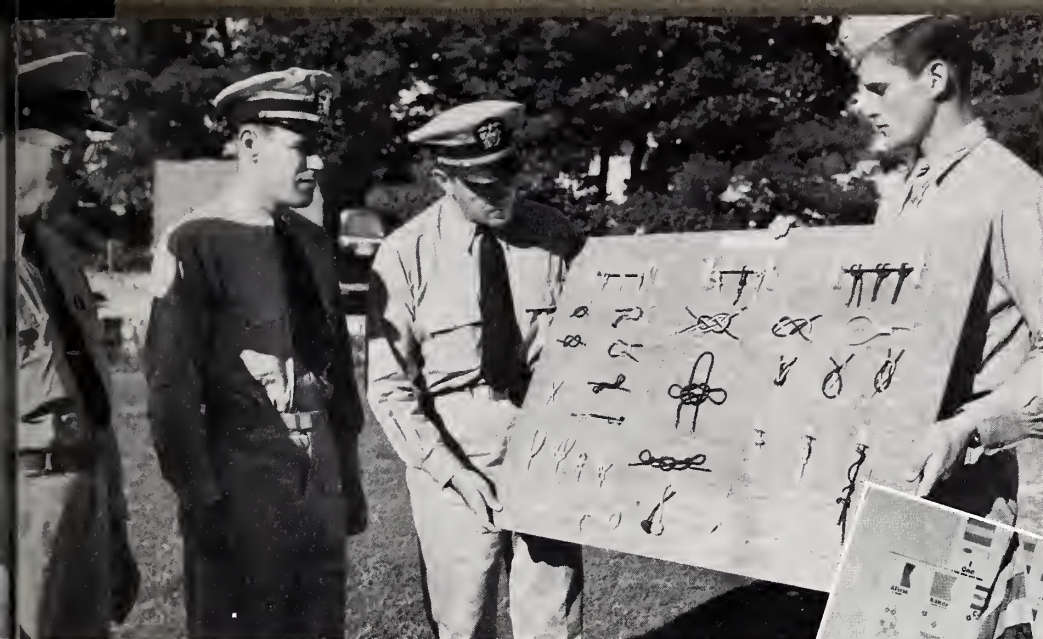
Lt. R. D. Robinson,
U. S. N. R., drill officer, in-
structs in the manual of
arms.



Learning to hit the bull's
eye with the Winter sight-
ing device under instruc-
tion of Sgt. Faustin Wirkus
of the Marine Corps.

Reporting to the "O.D."
for watch duty, which may
include anything from
"halt, who goes there?"
to carrying typewriters
(priority short) from one
office to another.





Cadet C. S. Trecartin, of the Second Battalion, presents a board of correctly tied knots to the military department, with Lieutenant Raugh, Lieutenant Hodgkins, and Chief Signalman John M. Ellis, U. S. N., on the receiving end.

The only time a cadet has time to lie down during the day is when some other cadet is practicing artificial respiration on him. Lt. T. R. Ward, a platoon officer, shows correct methods.



GIVE 'EM "L"



Rough, Tough, and SMART!

In addition to being physically conditioned, a good flier must also be mentally alert.

The Academic department represents the "school" phase of the Pre-Flight School curriculum. Here the aviation cadet prepares himself for ground school work he is to receive at the Reserve Aviation Bases, and Advanced Flying Bases.

At the Academic building, Caldwell Hall, the cadet spends two hours of every week-day; three forty-minute periods, devoted to work in Mathematics and Physics, Essentials of Naval Service, and Nomenclature and Recognition. Upon his record of accomplishment depends his chances of winning his final goal—his wings. No wonder, then, he soon learns the magic of the numeral 2.5, the Navy's passing grade.



HOWARD L. HAMILTON
Lieutenant, U. S. N. R.
Head, Academic Department



HORACE D. CROCKFORD
Lieut. Commander, U. S. N. R.
Acting Head, Mathematics
and Physics



NORMAN LOADER
Lieutenant, U. S. N. R.
Head, Essentials of Naval Service

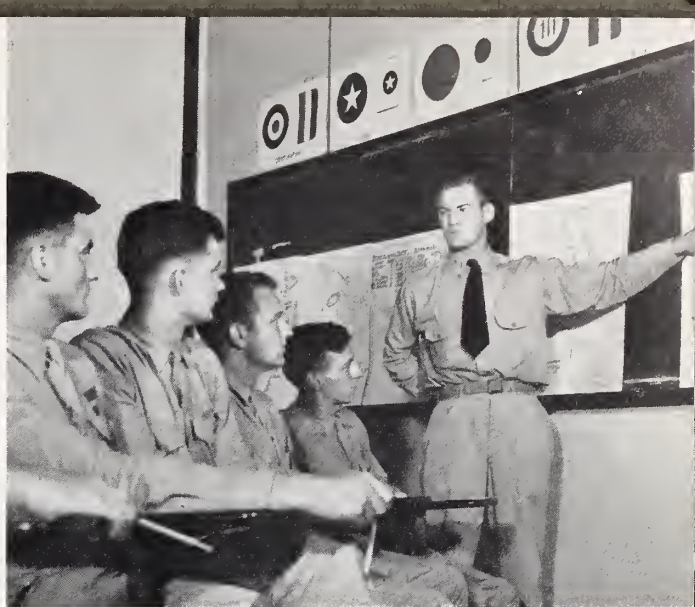


JOHN F. GILDAY
Lieutenant, U. S. N. R.
Head, Nomenclature and Recognition



(Photo by Look)

Mysteries of the controls unfold with the help of a working model in the hands of Lt. W. P. Patterson.



Action at Jutland is reviewed by Ensign Adams with the aid of charts which picture the phases of that historic battle.



Math becomes a vital subject when Lt. Comdr. Crockford explains to the cadets how it will enable them to find their way back across miles of ocean to their carrier base.

Scale models aid the cadet in learning to recognize our own and enemy planes.



PREVENTATIVE *and* CURATIVE *Medicine*



JESSE G. WRIGHT
Lieut. Commander (MC), U. S. N.
Senior Medical Officer

is practiced by the men, high ranking in their profession, who make up the medical staff. It is their duty to take care of any injury or illness, and to give all inoculations against typhoid fever, tetanus, smallpox, and the like. The dentists see to it that Uncle Sam's pilots are not afflicted with the toothache. The medical department also checks up and evaluates the results of the physical training program.

C. E. BROWN
Lieut. Comdr. (MC), U. S. N. R.
Assistant Medical Officer

ANGUS McDONALD
Lieut. Comdr. (MC), U. S. N. R.
Surgeon

E. M. ROBERTSON
Lieut. Comdr. (MC), U. S. N. R.
Surgeon

E. A. HYNES
Lieutenant (MC), U. S. N. R.
Athletic Physician

C. W. HARTSOUGH
Lieutenant (MC), U. S. N. R.
Psychiatrist

A. B. COMBS
Lieutenant (MC), U. S. N. R.
Ear, Eye, Nose and Throat
Specialist

THORNTON SCOTT
Lieutenant (MC), U. S. N. R.
Internist

W. G. STEGER
Lieutenant (jg) (MC), U. S. N. R.
Chest Specialist

E. A. MONAGHAN
Lieutenant (HVS), U. S. N. R.
Psychologist

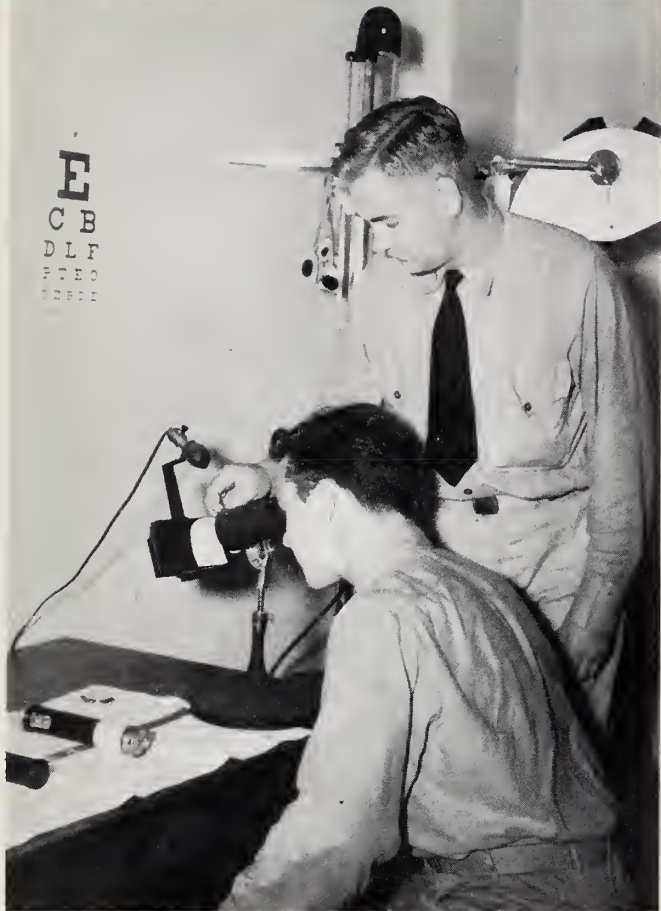
R. B. BRUCE
Lieutenant (HVS), U. S. N. R.
Psychologist

R. J. DeBERRY
Lieutenant (DC), U. S. N. R.
Dentist

R. R. HOFFMAN
Lieutenant (jg) (DC), U. S. N. R.
Dentist

McK. MILLS
Lieutenant (jg) (DC), U. S. N. R.
Dentist

SOLOMON NUZIE
Ensign (HVS), U. S. N. R.
Physiologist



Dr. Combs inspects the ears and eyes of a cadet.



Dr. DeBerry fills that cavity.

The two Navy nurses, first commissioned women at the school, talk it over at the Old Well.



PRESENTING *Interesting Incidents, Activities and*



Commissioning of the U. S. Navy Pre-Flight School at Chapel Hill, N. C., April 23, 1942.

Hon. Josephus Daniels, former Secretary of Navy, Ex-Ambassador to Mexico, and publisher of the Raleigh News and Observer is shown making an address. Seated are Governor E. M. Broughton, Dr. Frank Graham, president of the University of North Carolina, and other dignitaries.

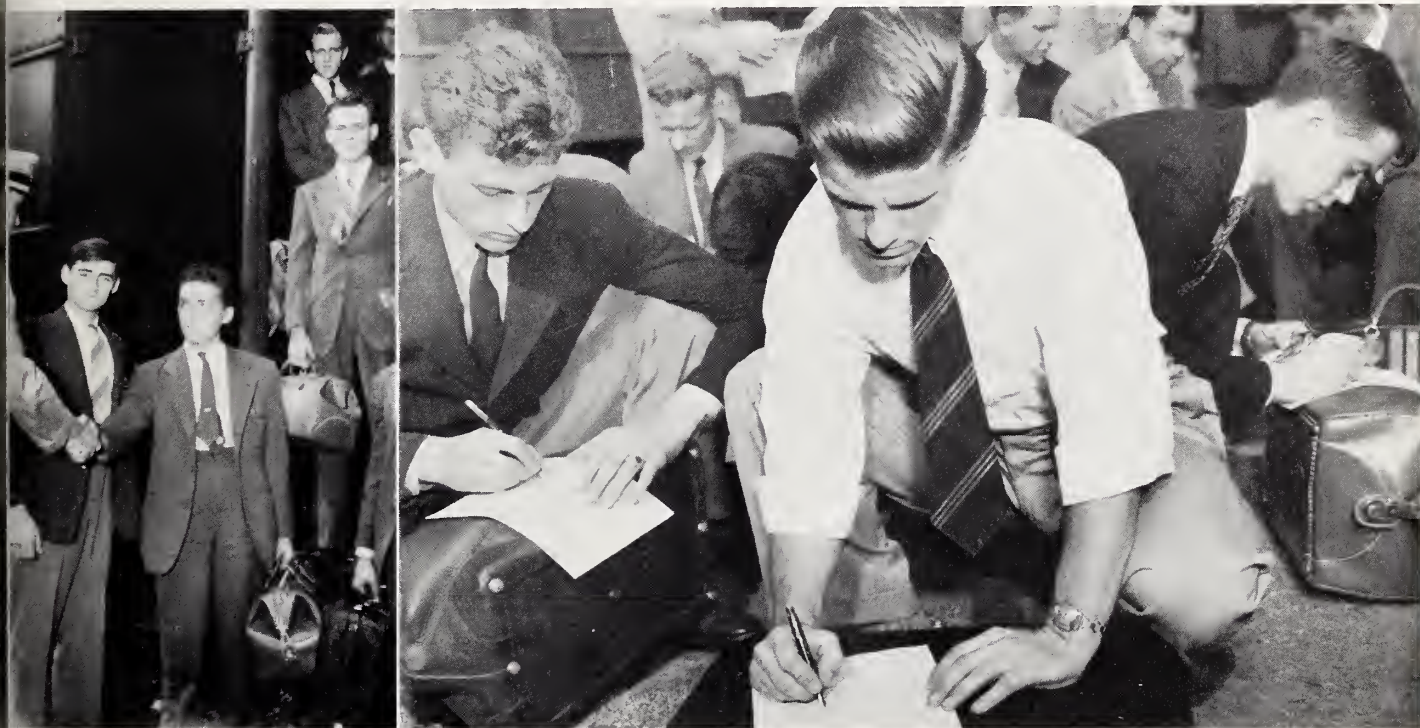
(Photos by Hugh Morton)



h Lights of Cadet Life at the Pre-Flight School

Logging ashore at Durham, new cadets are greeted by reception officers who schedule last of the voyage via bus to nearby Chapel Hill.

But first the cadets fill out their navy traveling orders right on the platform amid their luggage.



Cadets are officially signed aboard in front of Alexander Hall upon arrival at the Station.

Next it's off to "Small Stores" to draw uniforms and gear which will complete the transformation to a Naval Aviation Cadet.



Then the cadet picks up his wardrobe and hurries back to barracks to get into the service khaki and stow the rest of the gear.

Gear is unpacked and stowed in newly assigned quarters as new acquaintances spring up.



First military instruction is in bed making. The cadets are shown just how by two of their commissioned platoon officers.

Wrestling with his field scarf before a mirror the cadet has almost completed his outward military appearance.



5:30: "Hit the deck, cadet, and save that stretching for calisthenics!"



Raw material is assayed by athletic officers, and will be compared with finished products some three months later.



Locks come off in traditional military rite.

Finally, cadets begin the routine. A platoon emerges from classes in Caldwell Hall on their way to military drill, which will be followed by athletics, thus completing the three-sided training of Chapel Hill.



The Navy calls it "chow" and there are 5500 calories of it a day served attractively.

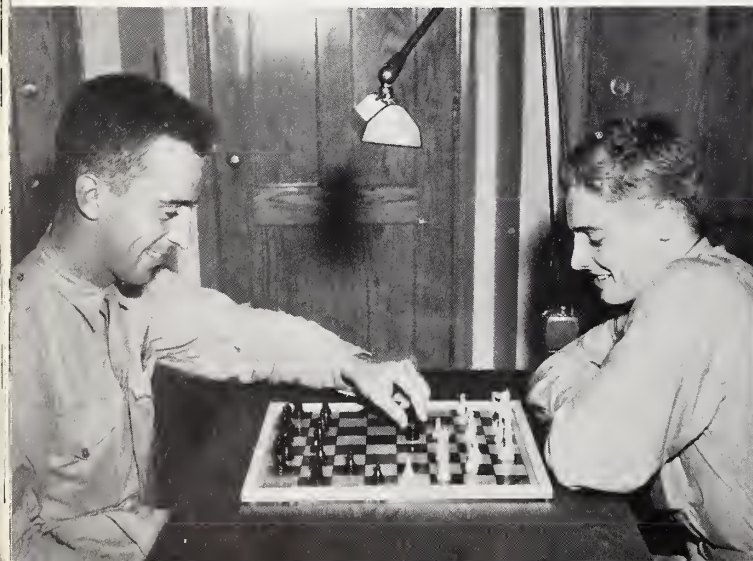
New men soon learn to frequent the canteen for their supplies, refreshments, and scuttle-but.



"This is no scuttle-but! I got it straight from a cadet drinking grape-ade at the canteen!"

Developing that competitive spirit is important at Chapel Hill, and these men keep at it even during free hours just before taps in their quarters.

At the other end of the day. Word of his new life is sent back to anxious parents and friends.



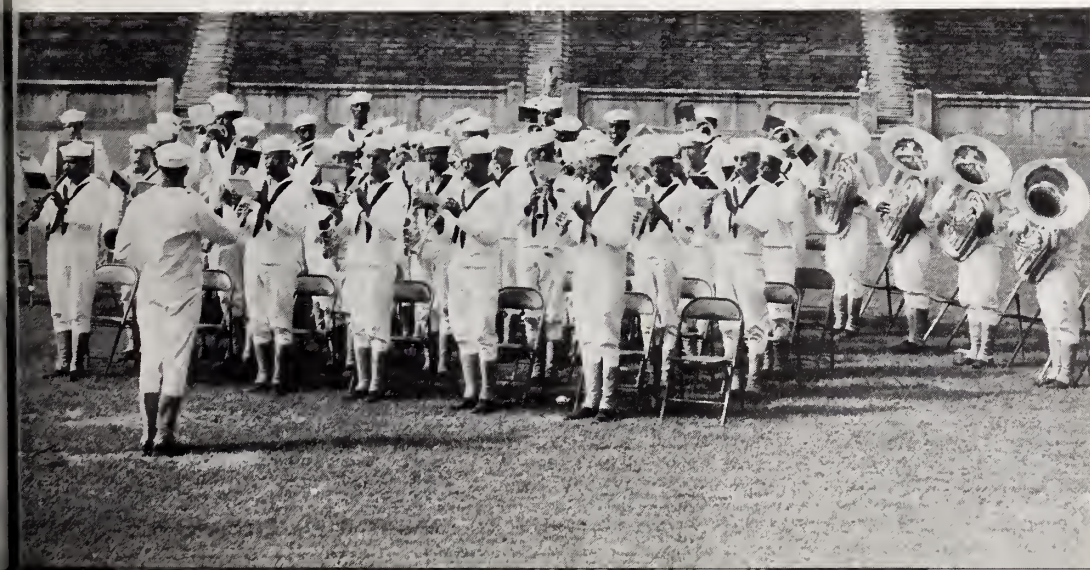


Lieutenant Eric Arendt, station chaplain, stops to talk with a group of men on the grounds.

The cadet glee club sings at a smoker. The choirs for both Catholic and Protestant services are composed of glee club members of the respective faiths.

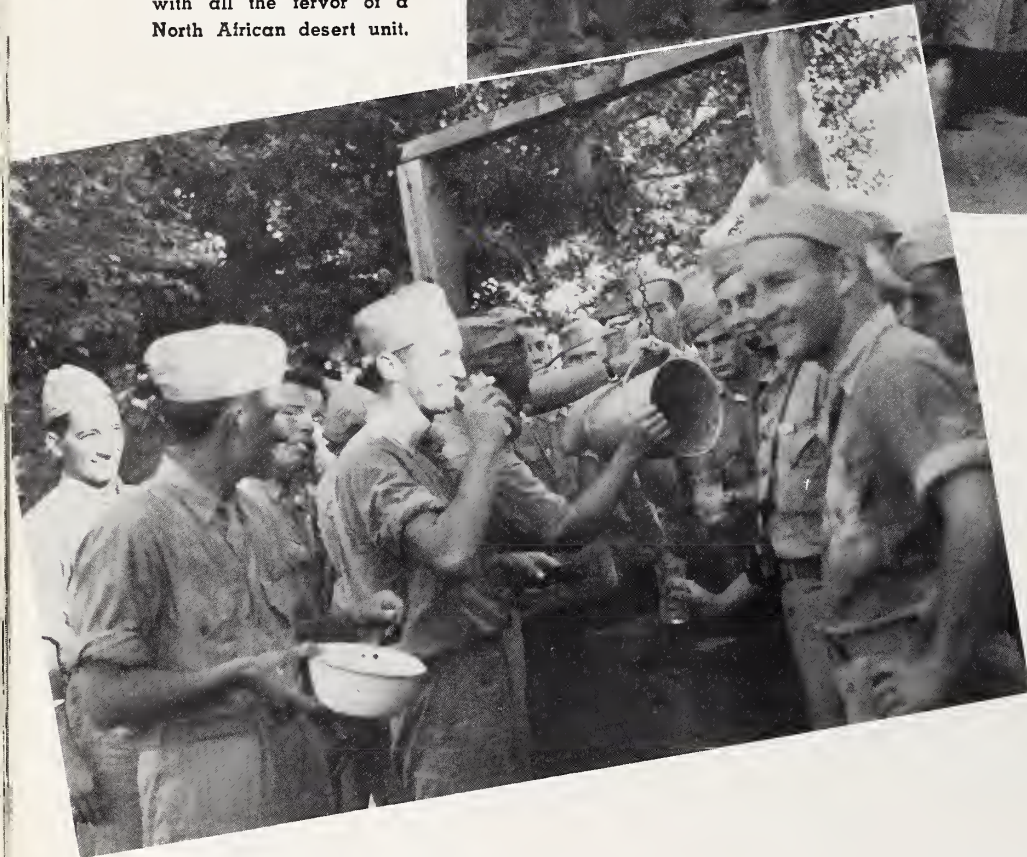


Formations are continually sparked by the station's hard-working band.



A change of scenery for cadets and mascots alike on Saturday mornings, as battalions tramp many miles along North Carolina roads on hikes.

Cadets "fall out" at a North Carolina oasis, on one of the hikes, and drink with all the fervor of a North African desert unit.



The Day of Days, "Pay Day."

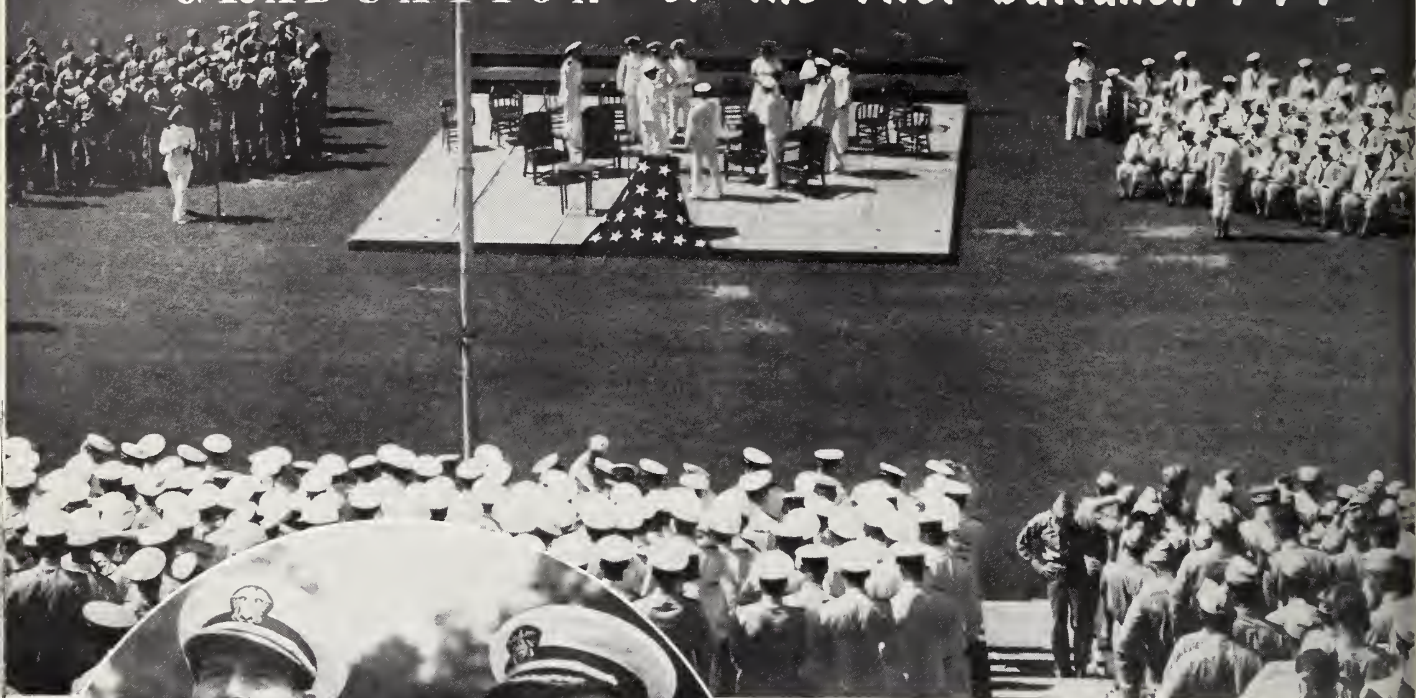
GOODEYES are said to the graduated cadets as they leave for primary flight training bases, upon completion of the strenuous three months' course here.



As colors are lowered over
the station at evening, activity
comes to a halt momentarily.



GRADUATION *of the First Battalion . . .*



Looking toward the field from the Stadium.



Rear Admiral William Glassford, Jr., Commandant of the Sixth Naval District, Charleston, S. C., in the reviewing stand with Commander O. O. Kessing.



Cadet Regimental Commander F. B. Harris, bids farewell to the school for his classmates.

Commander Kessing reviews the graduates in their blues and in their whites.





Snapshots



Snapshots



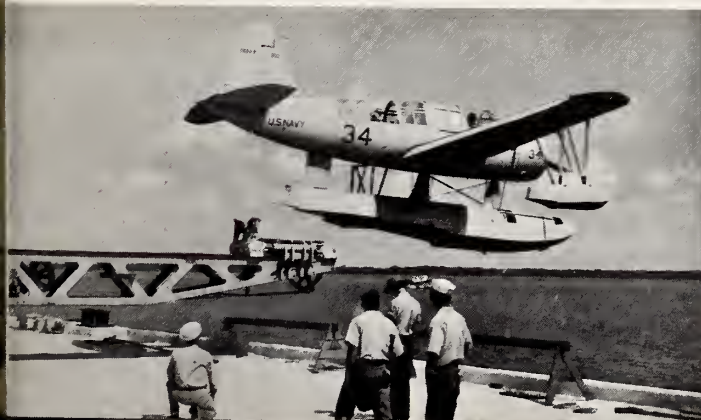
Left: Lt. Cdr. W. O. Burch, Jr., U. S. N.; right: Lt. Cdr. Joe Taylor, U. S. N., leaders of aircraft attacks against the Japanese in the battle of the Coral Sea.

(Official U. S. Navy Photographs)



Dive bombing squadron in echelon formation.

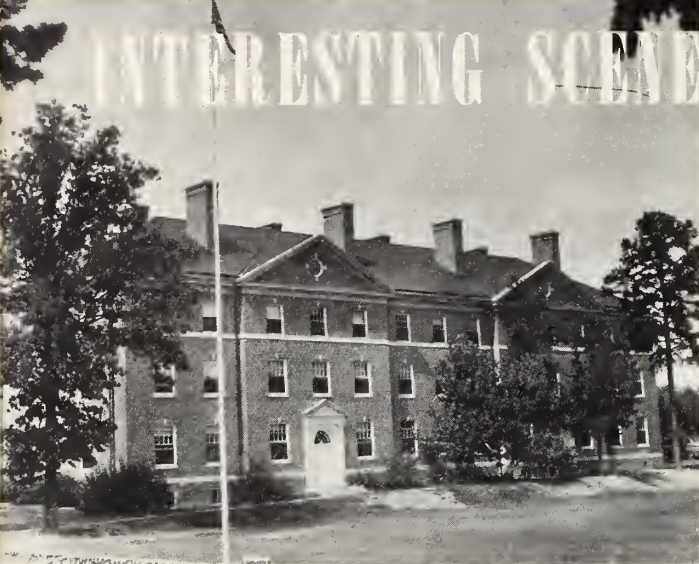
Plane being shot off catapult.



Dive bombing squadron returning to aircraft carrier.



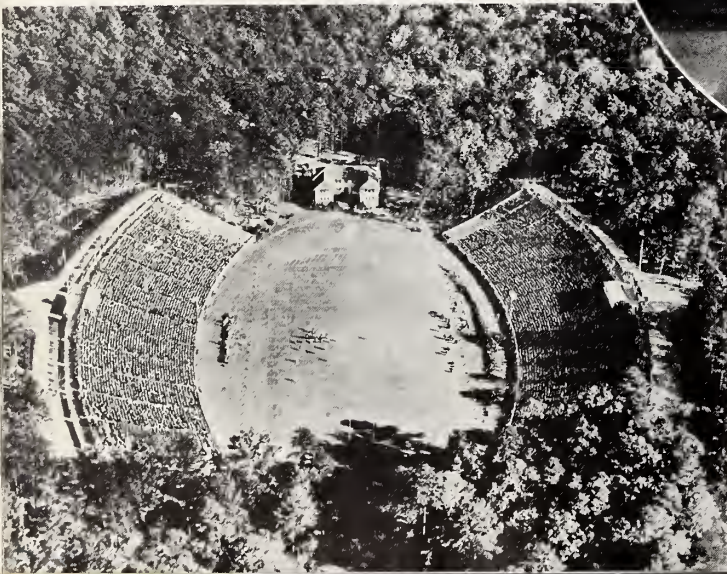
INTERESTING SCENES *on and Near the Station*



Administration building of the Pre-Flight School, Alexander Hall, was formerly a boys' dormitory.



Woollen Gymnasium, which has over an acre of floor space, houses the athletic offices of the Pre-Flight School, and one of the few indoor Olympic pools in the United States. In the basement is located handball courts, boxing and wrestling rooms, and individual lockers for cadets and students.



Kenan stadium, site of home football games at Chapel Hill, has a seating capacity of 42,000. During the week, mass boxing exercises are held here by the Naval cadets.



Chimes of the Bell Tower are played at dusk each evening and after each football game.



Historic spot on the University of North Carolina campus is the Old Well.

Created and Designed by
FRANCIS LAVERGNE JOHNSON

★

Formal Portraits by
MERIN-BALIBAN STUDIOS

★

Produced by
CAMPUS PUBLISHING COMPANY, INC.
Philadelphia, Penna.

for the Publishers

MERIN-BALIBAN STUDIOS
1010 Chestnut Street
Philadelphia, Penna.

